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(19) **United States**(12) **Patent Application Publication**  
**KIM**(10) **Pub. No.: US 2017/0011717 A1**(43) **Pub. Date: Jan. 12, 2017**(54) **LIGHTWEIGHT ELECTRIC GUITAR**(52) **U.S. Cl.**(71) Applicant: **Sang Kil KIM**, Gyeonggi-do (KR)CPC ..... **G10D 1/085** (2013.01); **G10D 3/06**  
(2013.01)(72) Inventor: **Sang Kil KIM**, Gyeonggi-do (KR)(21) Appl. No.: **15/113,069**(57) **ABSTRACT**(22) PCT Filed: **Jan. 20, 2015**(86) PCT No.: **PCT/KR2015/000572**

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The objective of the present invention is to provide a lightweight electric guitar in which the body and neck are made, in a hollow form, of a magnesium alloy, and in which the neck is detachably and attachably assembled with the body, thereby reducing the weight of the electric guitar and enabling the neck to be easily separated from the body for replacement or repair. In particular, the objective of the present invention is to provide a lightweight electric guitar in which the body and neck part are made to be hollow and the interior is processed to be a vacuum, thereby increasing the echo of sound to absorb unwanted noise and the like and enabling generation of a high quality level of sound.

